```
=> d his

     (FILE 'HOME' ENTERED AT 15:32:18 ON 04 OCT 2006)

     FILE 'CASREACT' ENTERED AT 15:33:52 ON 04 OCT 2006
L1              STRUCTURE UPLOADED
L2           19 S L1 SSS
L3          478 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 15:34:23 ON 04 OCT 2006
L4           478 S L3

     FILE 'REGISTRY' ENTERED AT 15:34:34 ON 04 OCT 2006
L5              STRUCTURE UPLOADED
L6           50 S L5 SSS
L7            1 S STYRNE
L8        30929 S STYRENE
L9            1 S 79637-11-9/RN

     FILE 'CAPLUS' ENTERED AT 15:36:03 ON 04 OCT 2006
L10           5 S L4 AND L9
L11          38 S L4 AND L8

     FILE 'CASREACT' ENTERED AT 15:43:49 ON 04 OCT 2006

     FILE 'REGISTRY' ENTERED AT 15:47:22 ON 04 OCT 2006
L12           1 S 98-82-8/RN

     FILE 'CAPLUS' ENTERED AT 15:47:49 ON 04 OCT 2006
L13        1369 S L12/PREP

     FILE 'REGISTRY' ENTERED AT 15:48:58 ON 04 OCT 2006
L14           1 S 536-60-7/RN

     FILE 'CAPLUS' ENTERED AT 15:49:11 ON 04 OCT 2006
L15          41 S L13 AND L14

=> d l1
L1 HAS NO ANSWERS
L1              STR
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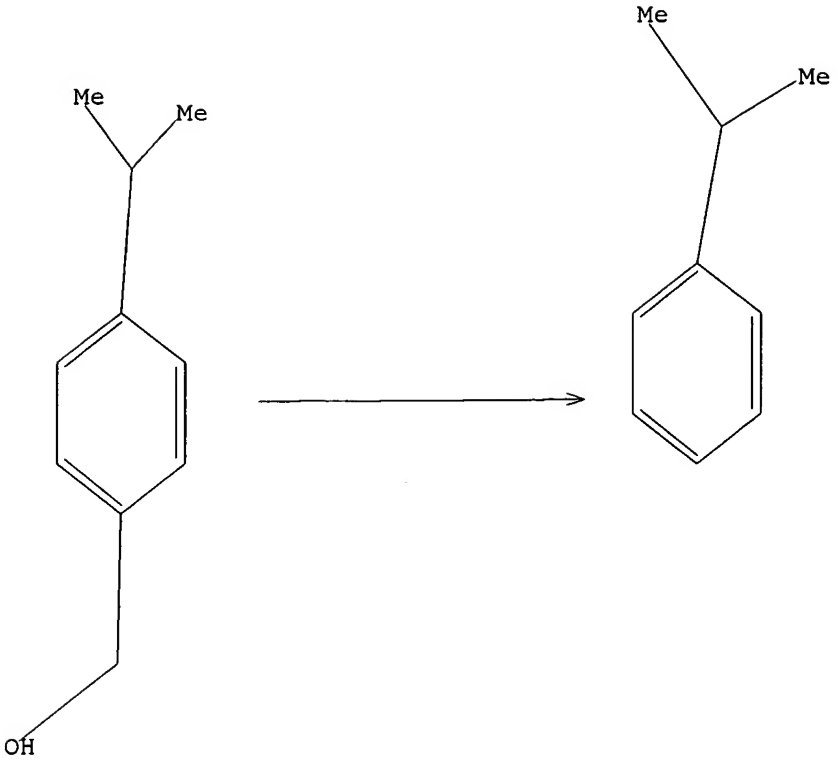
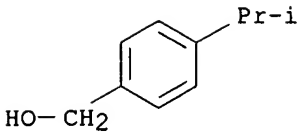


Structure attributes must be viewed using STN Express query preparation.

=> d l14
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 536-60-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenemethanol, 4-(1-methylethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN p-Cymen-7-ol (7CI, 8CI)
OTHER NAMES:
CN 4-Isopropylbenzyl alcohol
CN Cumic alcohol
CN Cumin alcohol
CN Cuminic alcohol
CN Cuminol
CN Cuminyl alcohol
CN Cumyl alcohol
CN NSC 15672
CN p-Isopropylbenzyl alcohol
DR 185532-73-4
MF C10 H14 O
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, MRCK*, MSDS-OHS, NAPRALERT, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

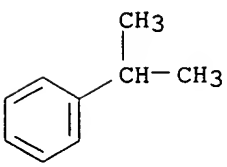


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

865 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
871 REFERENCES IN FILE CAPLUS (1907 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l12
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 98-82-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, (1-methylethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cumene (8CI)
OTHER NAMES:
CN (1-Methylethyl)benzene
CN 2-Phenylpropane
CN Cumol
CN i-Propylbenzene
CN Isopropylbenzene
CN NSC 8776
MF C9 H12
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11567 REFERENCES IN FILE CA (1907 TO DATE)
  107 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11582 REFERENCES IN FILE CAPLUS (1907 TO DATE)
    9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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L15 ANSWER 41 OF 41 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:713327 CAPLUS
DN 135:244071
TI Process for producing propylene oxide
IN Tsuji, Junpei; Yamamoto, Jun
PA Sumitomo Chemical Company, Limited, Japan
SO PCT Int. Appl., 12 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001070710	A1	20010927	WO 2001-JP2186	20010319
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	JP 2001270876	A2	20011002	JP 2000-83961	20000324
	AU 2001041204	A5	20011003	AU 2001-41204	20010319
	CA 2402739	AA	20020917	CA 2001-2402739	20010319
	BR 2001009439	A	20021210	BR 2001-9439	20010319
	EP 1266890	A1	20021218	EP 2001-912504	20010319
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2003032823	A1	20030213	US 2002-221357	20020912
	US 6639085	B2	20031028		
PRAI	JP 2000-83961	A	20000324		
	WO 2001-JP2186	W	20010319		

AB This document discloses a process for producing propylene oxide, characterized in that it comprises the following 3 steps and the concentration of water in the isopropylbenzene hydroperoxide solution to be subjected to the epoxidn. step is 1 weight% or lower. Oxidation step: isopropylbenzene is oxidized to obtain isopropylbenzene hydroperoxide. Epoxidn. step: the isopropylbenzene hydroperoxide obtained in the oxidation step is reacted with propylene to obtain propylene oxide and cumyl alc. Hydrogenolysis step: the cumyl alc. obtained in the epoxidn. step is subjected to hydrogenolysis to obtain isopropylbenzene, and the isopropylbenzene is recycled as a feed material to the oxidation step.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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